

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [15386] (fwd) Re: Case construction tips?
Message-ID: <3337e871.288186656@smtp.usit.net>

Many thanks to all who responded to my "kitbuilding" questions. The responses, both public and private, were wonderfully helpful.

Since most of the private mail mirrored that posted publically, I won't post a response summary. Suffice it to say, the beta test of the 38Special building is complete, but it looks like a beta test! I have ordered another, which hopefully will be in the run of kits due out Monday, and will do a much better job with the case, by all the help here.

See you on 30 -- I'll be the extra class that can't do code over 15 wpm (5 years is a long time to be off the air -- I want to get the speed back up to 25 or so).

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [15388] ** QRP Dx Info **
Message-ID: <mEVxWLAET\$MzEwAs@barville.demon.co.uk>

HB0/HB9AMZ QRP

If the conditions and weather are okay, Kurt hopes to drive to HB0 and operate around 14060 during Easter Sunday and Monday.

FY/DJ0PJ QRP

Dave's next planned operation should be between 2nd April and 6th May, but (as we know) his plans can be subject to short notice change.

GU3IC0/P QRP

George plans to be qrv with QRP cw (probably on 80m) between 19th and 26th June. He also hopes to take some gear to Alderney during the week.

Good luck, 72

--

Peter G3XJS

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>

Subject: [15411] 30 meters

Message-ID: <9703221950.AA10449@tlcnet.muohio.edu>

Hi gang,

30 Meter RTTY and all that other stuff:

Does anyone out there have a clue as to the freq. and locations of the commercial/gov rtty? It seems to me beings we have to live with them, they could serve some purpose to make a quick appraisal of band conditions and things like that. Like using them for beacons. Any comment from anyone?

de AD8K Vic

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: "Thomas J. Whalen" <whalen@swcp.com>

Subject: [15405] 30m late DX

Message-ID: <Pine.SUN.3.91.970322111957.20168A-100000@kitsune.swcp.com>

Last night I got home from the salt mine at 0200 and decided to unwind, so I headed to the ham rig. I went to 30m and listened up and down the band thinking a along that the band is dead so Im probably waisting my time! Tuned in to 10.107 and heard a loud signal! WHATS THIS! Gave a call of ZL2UW and he was just finishing a qso with a JR1???. I gave the ZL a call and he came back and he gave me a 559 with my 5 watts and a Butternut vertical on the roof. I tried the JR1 but he never came back.

May try some more late 30m stuff tonight since Im now on vacation! So,
keep an eye on 30m, it's starting to stay open late. 72, and cu on 30,
Tom WB5QYT

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [15362] 30M Log
Message-ID: <199703220335.TAA09283@islander.whidbey.net>

Here is a look at my log for 30 meters from the Pacific Northwest
including times in UTC for the QRP'er wanting to know about when it
was open. From up here, it seems to be open to somewhere just about
all of the time.

VK0IR	- 00:22
ZL2UW	- 09:15
WJ20/VP5	- 01:41
PY1ZF0	- 02:11
J75T	- 23:25
9M8FC	- 17:38
VP8CTR	- 07:57
AJ2U/VP9K	- 22:25
KL7JEF	- 22:20
FK8GJ	- 05:41
DK3FW/C56	- 00:04
ZL4WA	- 08:40
ZB2EO	- 00:46
SV2BOH	- 01:16
TF3HP	- 03:47
RA4HT	- 04:00
JH4WXV	- 07:57
UT5UIA	- 19:27
VR2KF	- 17:09

>From up here, the VK's and ZL's are very loud late at about midnight
pacific time for around one hour. 30 meters been very very good to
me! I do hate to admit that not all of these were QRP contacts, the
devil made me do it though.

72/73 - Phil
Phil Sikes - KJ7NS
ARCI #9196 - QRP-L #528
FISTS #2602 - NW QRP #412

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Vernon A. Hatley" <vhatley@flash.net>
Subject: [15396] 30M... You gotta love it!
Message-ID: <199703221621.KAA25532@endeavor>

First gang let me say right off, 30 meters is my favorite band. Why; you say? There are many reasons. I hope if you have never tried 30M, that after reading all the post in the last few days about the wonders of the 30M band; you will try it for yourself.

Reasons to like 30 meter:

- 1) The QRP calling frequency is NOT the same as the RTTY calling frequency! (I could add my opinion to that thread too; but I won't)
- 2) 200 watts power limit. If most people are running 100 watts; then breaking a DX pileup with 5 watts becomes easier. Not true on 20M where 1.5kw seems to be the norm for DX chasing.
- 3) Band is usually open somewhere all day long. I know it may sound dead at night, but it's not. My best DX on 30M has been 11:00 pm to 1:00 am CST. During the day you can ragchew to about anywhere in the U.S.
- 4) Not over crowded. No explanation needed here.
- 5) No contesting. If there is a CW contest going on; you can always jump over on 30M for a nice relaxing ragchew and you don't have to fight the testers.
- 6) Nice people hang out on 30M.

Another great band that is over looked is 17M. Good DX, quiet conditions, not crowded. But it is not open at night at this time of the solar cycle. The WARC bands have turned out to be a real jewel for HAM radio. And in my opinion 30M is the crown.

(usual disclaimer apply: I do not own the WARC bands or have financial interest in them. I am only a satisfied customer)

--

KK5RO
Vernon A. Hatley
Shawnee, OK

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997

From: PGSPersEng@aol.com
Subject: [15409] 38S debugging problem
Message-ID: <970322143510_-1739143678@emout16.mail.aol.com>

Hi gang,

I'm building a 38S with the help of my 8-yr old daughter Jenna, and we're not having much luck. Hope somebody on the list can help (so she doesn't think her dad is a complete dummy).

To start off, we're not receiving any sigs as we had hoped.

We ran the dc tests as described by Paul Harden. U1, U3, U5 and Q1 all come in pretty close to expected values. Most of the values on U2 are OK except for funny sporadic readings on U2/4 (a transmit output, so I'm not too concerned at this point?). I did notice that the control levels on Pins 12/13 are 7.9V rather than the 5.6V he describes, but they should still throw the switch.

On the screwdriver test, we get mixed results. I traced Ori's suggested path with the following results:

U5/2 no tone
U5/6 strong tone
U2/10, U2/11, U3/4 faint tone
U3/1 strong tone
U2/2 faint tone
U3/6, U3/7 no tone, but click when I touch the pins with the probe
U2/1 very faint
U1/6, U1/7 no tone
U1/1 faint tone
D1/D2 band side no tone
antenna connector no tone

We also checked the oscillators with a receiver. The 22.1 MHz oscillator comes in nicely and changes with the pot.

We can hear the 12-MHz crystal wonderful on transmit (comes in at 11.9995, but I'm not certain of receiver calibration), but we can't find an equally strong tone anywhere for key up (receive).

The 12-MHz crystal seems to be good (OK during transmit), so any ideas on what part of the circuit might be taking it down during receive??

One final hint -- when we remove power from the rig, we can hear a clear, loud squeal (increasing frequency).

So...any ideas on where to look?

Thanks,
Paul AA1MI and Jenna

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: Bruce Huyck <bruce@pad-uky.campus.mci.net>
Subject: [15425] 38S Keying kills receiver
Message-ID: <MAPI.Id.0016.00727563652e70613744434530303436@MAPI.to.RFC822>

I have completed my 38 special with both the Tick mod and the 5 watt mods=
.
Output is about 4.5 watts with no other problems. The problem begins after any keyer activity. After a string of dits or dashes is keyed, the receiver goes dead. After a minute or so, the receiver comes back.
Does anyone else have this problem??

Any suggestions?

Bruce KS4V
Paducah, KY

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Rick Hadley" <r.hadley@www.mebbs.com>
Subject: [15391] 38S Lives & 30m Late Late Show
Message-ID: <1.5.4.16.19970322102049.25c7b8a2@www.mebbs.com>

Finally got the 38Special on the air last nite for a QSO with KQ6EH, so "The Sturgeon no Longer Virgin". (you sub drivers will know what that meant). Anyway, after having to go to turn in, I woke up about 0h-dark-thirty to hear VK9NS running a pileup...this again on the bedside IC2001. Should've gone down to the shack and tried to nail him for my first 38S DX, but had to work today, so stayed in bed. Also heard a ZL about 0800Z. The band was open somewhere all night long.

Richard W. (Rick) Hadley
W0FG - Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com
The Solutions Store, Ltd.

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: v31ry@ix.netcom.com
Subject: [15360] Alaska QSO Party / QRP
Message-ID: <1997321201931641@ix.netcom.com>

Since I'd like to work Alaska for my W.A.S. with QRP this weekend, I ran a MinipropPlus prediction from Denver to Alaska. I've had really good luck with Miniprop in the 6 years that I've been using it almost every time I turn on my rig. Barring a geomagnetic storm, if it says a path should be open at a certain hour and band, it usually is!

For each 30 min period of a day, the software gives you predicted signal strengths, and one of 4 letters indicating the probability that the path will really be open. The probability is (A)100-75%, (B)75-50%, (C)50-25%, or (D)25-1%. You define the two end-points that you're interested in (there is an 'atlas' file, so you just type in a country prefix).

With a solar flux of 71 and Saturday's date, the best band is predicted to be 80 and 40 meters, but 20 shows a fair chance of an opening from noon till 7PM MST (1900-0200Z) with signals strengths about 10 dB below the 40m signals, and a 'B' probability. The opening peaks during the last 2 hours, and then turns into a 'D' probability fast. If 20 is open, it's probably the best with QRP since there is less atmospheric noise for the guys up north.. 80 and 40 both have long openings with strong signals and 'A' probabilities, but they could be pretty noisy in Alaska.

I use an attic dipole, and have found that the 20m prediction is iffy for my station. But what the heck, if you don't try, you can't work ANYone! I got home from work at 1730 MST (tonight, Friday), right when they should be peaking, if anyone in Alaska is on the air, of course. Turned on my rig, tuned around 20 meters, and there was WL7KY calling "CQ AK QP" on 14.037! And with a nice S-8 signal, just like Miniprop predicted! Called him with 5 watts to the attic wire, and got a 559 exchange back. Shoot, that was almost too easy! Half an hour later he faded away, a little bit earlier than predicted.

Here's a sample of a Miniprop screen. You get a lot more than just the parameters I've mentioned, but those are the main ones..

MINIPROP PLUS SHORT-PATH PREDICTIONS 22-03-1997 (Polar)

Path Length: 3898 km SSN: 13.1 Flux: 71.0
Radiation Angle: 11 deg for Minimum No. of F Hops: 2
TERMINAL A: 39.80 N 105.00 W Lakewood,CO Bearing to B: 325.4 deg
TERMINAL B: 62.50 N 150.00 W Alaska Bearing to A: 108.9 deg

Term A Sunrise/Set:1306/0108 UTC

Term B Sunrise/Set:1604/0410 UTC

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    --- SIGNAL LEVELS IN dB ABOVE 0.5 uV ---
UTC   MUF   3.5 MHz   7.0 MHz   10.1 MHz   14.0 MHz   18.1 MHz
0000 15.5           25 A     34 A     35 B     34 D
0030 15.3           27 A     35 A     36 B     35 D
0100 15.1    -2 A     29 A     37 A     36 B     35 D
0130 14.8     9 A     31 A     38 A     37 B     36 D
0200 14.4    21 A     34 A     39 A     38 B     36 D
0230 14.0    31 A     41 A     40 A     38 C     37 D
0300 13.4    37 A     43 A     41 A     39 C
0330 12.6    40 A     44 A     42 A     39 D
0400 11.7    44 A     45 A     42 A     39 D
0430 10.8    52 A     45 A     42 B     39 D
0500  9.9    53 A     46 A     43 C
0530  9.0    51 A     46 A     43 D
0600  9.0    51 A     46 A     43 D
0630  8.9    51 A     46 A     43 D
0700  8.2    51 A     46 A     43 D
0730  8.2    51 A     46 A     43 D
0800  8.1    51 A     46 A     43 D

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I edited out the 15m and 10m info, since they were all 'D' predictions. But this gives an idea of the kind of plots you get. The signal levels are assuming both stations are using dipoles and running 100w. You can add or subtract X dB from any band in a user customized setup screen, depending on your antennas and power levels of interest. It will also plot two kinds of maps, and show detailed signal hop information.

I don't have any connection to the author, but Miniprop sure has taught me a lot about HF propagation! It's written and sold by W6EL Shel Shallon, and he advertises in most of the ham magazines. The program comes with a 60 pg manual, including chapters on the fundamentals of ionospheric propagation.

I know it's REALLY helped me with my WAS and DXCC!!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a
dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Jim/NOUR <LAGESON@worldnet.att.net>
Subject: [15387] Antenna discharge question
Message-ID: <19970322143806.AAA13566@LOCALNAME>

I am planning on doing some kite antenna flying this spring (if we ever get this snow melted), but I am concerned about large static charges building up on the antenna. What are some good methods of bleeding off static charges from a long, long antenna??? Please try to be specific.

Thanks (again)

Jim, NOUR

GO MN GOPHERS!!!!!!

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Vasili S. Maslyukov" <vasmas@ham.isu.runnet.ru>
Subject: [15380] Antenna Listserver Wanted
Message-ID: <AA_vtCpmDB@ham.isu.runnet.ru>

Hi Gang,
A friend of mine Denis (K06GF) opened for me this nice listserver spot.

I started to work in the air back in 1973 year. Since then I made several antennas mostly quads and now going to assemble a new one X-Q quad for 15 meter band. I have several questions and do not know where to place it. I wonder if somewhere let's say an antenna listserver exists. I have no access to WWW yet and looking for a listserver as this one.

I want the antenna to be stacked horizontally and the one (of many) the question is: do I have (or can I) connect two driven quads in parallel and then make match to the coax feedline or I have to match to the coax feedline each driven quad first and then match it to main feedline?

My goal is to get a JCC/WACA (Japanese award: 100/200/300/400/500/600/ALL cities) 15 m band, 1 Watt. This task is very challenging for me and I understand that good antenna can do a lot to help me in this.

72&73 to all! UA0SN

Wasya
Irkutsk city, near Lake Baikal, Siberia, Russia

```
*-----*
*   UA0SN           Tel +7(3952)31 9181           *
*   Vasili MASLYUKOV Irkutsk, P.O.Box 323, 664050, Russia *
*   NorCal #750      QTH Locator: 0022di          IRK time = GMT+8 *
```

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [15363] ARK-4
Message-ID: <19970321.220224.8071.0.n4so@juno.com>

From: n4js@amsat.org
From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: N4JS <n4js@amsat.org>
Subject: [15357] ARK4 started
Message-ID: <v03020902af58fb0aed4e@[206.106.174.44]>

Started on the ARK4. Three hours later, I have all the resistors in. I am cross eyed and fuzzy from checking color bands! BUT, the packaging on this kit is superb! A serious attempt to make it easier. (Example: 47K, 470K and 470 ohm resistors are packaged in separate, labelled bags). Start on the little capacitor tomorrow. Get to read all those little numbers.....

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      John L. Sielke n4js@amsat.org n4js@pobox.com
      n4js@n4js.ampr.org NJ Grid:FM29LN
      http://www.pobox.com/~n4js NJ-QRP #57
      QRP-L #884 QRP-ARCI #9328 NE-QRP #507
      G-QRP #9544 Norcal #???? QCWA Life Member
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From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [15378] AZ - FSFM: N7VE
Message-ID: <19970321.225404.7703.10.tayloe_d@juno.com>

Juno just got back up, so here is my report:

My log was not as good as Bobs. He was calling "CQ WAS QRP" and I was calling "CQ FSFM". I think "FSFM" has a nice CW rythm to it, but I am

not sure very many people recognized it.....

22 contacts total, 8 on 30m, 14 on 40m.

Power: 2w on both bands,
Rigs homebrew Sierra like-hybrids
Antenna: 500 ft loop

30m first:

0012	KI7MN	Bob	599	Az	5w	Worked Bob first!
0015	KA5T	Larry	559	TX	5w	
0054	NN9K	Peter	529	IL	?	
0108	K4NK	Les	229	SC	4w	
0123	N4ROA	Dan	579	Va	5w	
0133	K5FO	Chuck	229	TX	1w	
0137	N3WSS	Scott	559	PA	100w	
0145	NG0M	Chuck	339	Nebr	1.5w	

Next 40m:

0211	WA1QVM	Joel	229	MA	4w
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- Bob: Joel was probably the WA1Q?? you were listening for!

0215	KA5T	Larry	449	TX	5w	2 Bands!
0217	N4ROA	Dan	559	VA	5w	2 Bands!
0220	K5ID	Ken	559	AR	5w	
0223	K4NK	Les	339	SC	4w	2 Bands!
0229	KU4AF	John	449	NC	5w	
0227	AL7FS	Heard him, but I don't think he was after me.....				
0232	KT3A	Cam	339	PA	5w	
0247	N5ALO	Bill	449	Tx	5w	
0310	WS4S	Conard	449	Tn	3w	
0312	KR0I	Mar	229	Mo	5w	
0316	N7GS	Mal	449	MT	2w	
0328	KI7MN	Bob	579	Az	5w	Bob again!
0332	K4WZ	Ron	579	GA	5w	
0338	AB5UA	Clif	449	OK	5w	
0344	N1UFV	Norm	559	MA	100w	

These states contests are kind of fun even though the pace was a bit slow. Something to do since the Fox is gone for a few months!

Corrections gladly accepted!

Thanks guys for stopping by!

- Dan Tayloe, N7VE, Phoenix, Az, QRP1 # 696, Az ScQRPions

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Dave Sjolín <sjolin@swbell.net>
Subject: [15350] BAN RTTY'ers
Message-ID: <333318A2.1A08@swbell.net>

Mike Robinson wrote:

>
> Yeah, I know, some of you digiheads are curteous.
> But, you're not the problem. Unfortunately, the
> rotten apples are a fungus on the rest of you.
> They're giving you a bad name.

Yeah, I know what you mean. Qrpers have their rotten apples too.
According to the RTTY reflector, two qrpers, W2HT and W0YOR,
intentionally jammed a number of rtty stations during last week's
contest calling cq on or near 7040 (the frequency was not in use). W2HT
allegedly followed KD6DV up to 7085 and told him why was he
wasn't welcome there and that he, W2HT, was a licensed FCC
representative.

> Last night I had the opportunity to work qrp/qrp
> with w3eek in PA. He was on his QRP+ and I on
> my FT890 at 5 watts. We started out fine and
> were settling in for a nice qso when 'PING', my
> meter goes to S9 and this pounding RTTY sig starts
> chirping, BRDRBRDRBRDR BRDRBRDRBRDR BRDRBRDRBRDR.
>
> I've been doing some digital listening (RECEIVE
> ONLY) with the hamcom setup. This doesn't allow
> pactor. But I can almost tell the difference
> between modes and speeds now. This DH (digihead)
> was calling CQ on Pactor. The op I was in qso
> with seemed to be used this lid jumping on his
> qso's. So both of us could hear him. Which means
> he has to be able to hear at least one of us.
> BUT, he obviously didn't bother to listen first.

Help me understand. If you can't receive Pactor on your monitor, how do
you know he was calling cq. It may have been an unattended bulletin
board system that started up. The station that initiated the link may have
been in a skip zone for both you and your friend. He would have heard
nothing. Some bbs out of south America or Africa can be real loud. They
are sitting there waiting for an amtor or pactor signal to call them. If

they hear it, they start up without listening because usually there is no one there. I think this type of operation was moved above 7090 here in the states but FCC has no jurisdiction outside US.

- > I don't really care anymore about filters and
- > frequency splits, and other excuses why he might
- > not have heard us. This guy has a responsibility
- > to make sure the frequency is clear!

RTTY ops like all others have a responsibility to be sure that the 500 hz or so that they occupy is not in use. However, even if their transmitter is exactly on 7040, their tones will be 2 khz higher, just as yours will be 600-800 hz higher. Assuming you were both tuned to 7040, actual transmit frequencies would be at least 1200 khz apart (2100-800). No one, when the band is crowded, is going to give you more than 600 hz or so. If a qrp'er doesn't use a sharp IF cw filter or turn the rf gain down, then they are just as responsible for the interference as a neighbor who complains about TVI but won't put a high pass filter on their set or toroids in the AC line.

Also if a qrp'er is 20 db weaker than the power station and you are operating over a khz away, he is not going to know you are there. His 250 hz or 500 hz filter might knock you down to his noise level. Also with a beam or 4 square antenna at a good location he is likely to hearing a lot of stations that you don't. In the direction he is beaming, he may be hearing some dx calling cq or calling him that wipes you and your friend out, especially if you are off to the side of his antenna.

- > So before you flame me for blasting the digiheads
- > in general, just remember, if you're aware and
- > courteous, it's not you I'm yelling at. But maybe
- > these kids will listen to you. They sure aren't
- > listening the CW ops. They're giving the RTTY'ers
- > a bad name. Help them see the light.

You should read all the posts on the rtty list about qrp'ers attempting to jam them whenever they would call cq or answer a rare dx station anywhere near qrp frequencies. And this is on a frequency that is not currently in use. Live and let live. If qrp'ers jam a frequency when it is not in use, do you think that rtty op is going to think twice about operating close to 7040, when he can't hear any activity. We all need to do better. When two groups share a calling frequency and frequency range, we all have to listen.

- > I say ban RTTY to their own segments and let them
- > ban CW to our own segment. We'll all win.

I would like this but it is not going to happen. As far as the FCC is concerned, cw and rtty are equivalent. They are both legal throughout the entire ham band. Only phone type emissions are limited to specific segments. Also I am not convinced that if the FCC was petitioned for separate segments that 7040 would be cw only. As much as I love CW, the FCC doesn't seem to show much appreciation for the mode. If anything, ARRL is more likely to petition FCC to allow phone between 7050 and 7100. This would drive rtty down even lower in frequency and make things worse for both groups.

Throughout the rest of the world, rtty band is 7030 - 7040 with 7040 designated as the calling frequency for intercontinental dx contacts. For hams in Europe, Asia or South America, to operate rtty up where we do in the states, would be the same as us operating rtty or cw between 7150 and 7300. In fact, many countries are not permitted to operate above 7.1. regardless of mode.

Hams are to be courteous, for sure. However no one is entitled to a clear calling frequency or to a two or three khz buffer between them and other stations. If 7040 is not in use it is fair game for all.

No flames intended. Just another view from a qrp'er, rtty contest'er, dx'er, vhf weak signal enthusiast. 73 de Dave, N0IT

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: George Gingell <k3tks@u1.abs.net>
Subject: [15377] Band of Choice
Message-ID: <Pine.BSI.3.93.970322001203.13402C-1000000@u1.abs.net>

Hi Glen,
I guess you have received lots of good suggestions for which band to start out on with QRP. Actually it really doesn't matter how much power you plan to run, The choices will be pretty much the same. I personally favor 40 Meters. I can rarely recall a time when I could not make a contact on 40 meters. It is my home base and has been for most of my 35 years as a Ham. Been QRP all my life. :^)
I find 80 my second choice, but am starting to like 30 also.
When the SPOTS return, then we have a whole new ballgame.. 10,15 & 20 will be a lot different. I might even dig around for something for 6 meters again. Funny, I was just thinking I started out on 6M AM/CW in '62. did some 220 SSB courtesy of U.S.A.F. :^)
Heck, Just pick one and go for it. :^)

72 es
QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Dave Kelley <aa7tq@PRIMENET.COM>
Subject: [15421] Calling all Heathkit owners, collectors, admirers!!!!
Message-ID: <01BC36CD.95B76130@WEB1>

Calling all Heathkit owners, collectors, admirers!!!!

We now have a list devoted to Heath gear!

To subscribe, send a message to: listserv@listserv.tempe.gov

in the body of your message, include the one line:

subscribe heath your name

(use your real name, not your e-mail address)

You will receive further instructions via email to complete your request.
This is a free list.

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [15351] Charlotte Hamfest Summary
Message-ID: <33332FBD.58BE@amsat.org>

Hi Gang,

It was a real blast seeing so many QRP'ers at the recent Charlotte, NC Hamfest. It was the first time a number of us had met in person, after having worked each other on the KL Net for several months. It's always fun to be able to put a face with a callsign.

Four of us carpooled from the Raleigh area, including AE4MX, K4KTB, KE4ALG, and AA4XX. We never stopped yaking the whole 2-1/2 hour drive. We covered about every conceivable topic from cycling, Australia, England, religion, astronomy, HF antennas, cancer, philosophy, food, marriage, CW --I guess you get the picture. It's

surprising how much we had in common. KE4ALG had cycled all over England, and K4KTB has recently ridden his bicycle from NC to Arkansas! AE4MX also had a lot of experience with cycling, and before the trip was over, I sure knew a lot more than I did beforehand.

When we arrived at the hamfest, most of us went hunting for bargains. A number of us returned to man the KnightLite's table periodically. During the course of the hamfest, we had a chance to visit with AA1BK, WA4NID, K4NK and wife N2PTW, WB4LZQ, AE4IC, WB4OFT, AE4MX, KE4ALG, WJ4P, K4WZ and fellow GA QRP buddy Gary, whose call I can't remember, W4HG, K4KTB, K4HQ, K4UO, KU4AF and wife Carol, and N2GVS (Ed who drove all the way from FL to NC!). We had the ARCI banner on display along with some issues of QQ, QRPp, and NEQRP, which were handed out to interested hams. We also had a Wilderness Sierra on display, which drew quite a bit of attention. WJ4P brought his slick looking 89'er for display, which turned out to be quite a crowd pleaser.

Around 1 PM about 15 of us converged on a local restaurant to swap tall QRP tales and to eat. It was hard to believe that as we stragglers got ready to leave the restaurant we noticed that our watches said "4 PM." Good gracious alive! So it goes with good QRP company... It was kind of like Christmas, getting to visit with kindred QRP spirits face to face. As it turned out, we had QRP'ers from NC, SC, GA, and FL. Thanks to all who made it happen...

The next KnightLite's regional gathering will be at the Roanoke ValleyFest (Roanoke, VA) on Saturday, August 16th. The Roanoke Valley ARC has asked us to present a forum on QRP at this fest. We hope you to see you there!

72,
Paul, AA4XX

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: Jim W7LS <w7ls@brigadoon.com>
Subject: [15385] FAR circuits on Webb?????
Message-ID: <199703220903.BAA26594@olympic.brigadoon.com>

Anyone know if FAR Circuits is on the Webb somewhere? I'd like to see if they stock Epiphyte-2 circuit boards. Tnx/73 de Jim, W7LS

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [15400] FET Data

Message-ID: <199703221722.LAA17953@admin.inetport.com>

Gang:

Can anyone send me the specs on the device:

VN1106N2

Found a bag full at the local parts place...

Tried the motorola site and the U Penn site
No joy at MOT and they don't like my browser at U Penn....

Thanks

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
WIMPS: Qs=000 30m=000 17m=000 12m=000 States=00/00/00 DX=000/000/000

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Vernon A. Hatley" <vhatley@flash.net>
Subject: [15347] FS: Oak Hills CL2040 QRP
Message-ID: <199703220014.SAA28366@endeavor>

For sale; Oak Hills CL 2040 duel band QRP rig. 20 or 40 meter at the flip of the switch; no band modules to change. Full 5 watts out on both bands. Diode ring mixer, RF pre-amp, L.O. injection, RIT, 600 hz 4 pole crystal filter, 4 pole low pass audio filter with 1khz cutoff. Optional keyer included. This rig was aligned by OHR and is spotless mint condition. Price new \$219.95 plus \$39.95 for keyer plus \$50 for alignment. First \$190 gets it.

--

KK5RO
Vernon A. Hatley
Shawnee, OK

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: ke4fps@juno.com (David E. Shelton)
Subject: [15366] FS: OHR QRP Classic and OHR WM-1
Message-ID: <19970322.113853.3750.0.KE4FPS@juno.com>

FS: OHR QRP Classic (QRP Transceiver for 20M/40M) rig is great qrp

contest rig has built-in Iambic keyer with less than
10 hours use. I also have a OHR WM-1 wattmeter both in perfect condition.
Both for \$225.00

Reply via e-mail or call 502-493-9088

73 es CUL from:

David E. Shelton, RN, BSN, OCN

Amateur Call: KE4FPS

FISTS #2103 ARCI #9079 QRP-L #142

ke4fps@juno.com Packet Radio KE4FPS@WD9AGK.#SIN.IN.USA.NA

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997

From: ckrelic@bellatlantic.net

Subject: [15364] FS: OHR400

Message-ID: <33335CD4.6CDB@bellatlantic.net>

OHR400 with DD-1 and Keyer, the OCS and REC boards are the ONLY
boards finished.

Will take the best offer.

Curt

Ka3ivb

412-693-9890

QRP-L #433

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997

From: ckrelic@bellatlantic.net

Subject: [15393] FS: Wattmeter

Message-ID: <33340071.4B5E@bellatlantic.net>

Great for QRP work__ Diamond SX-200

5, 20 and 200 watt scales__average and PEP readings
lighted dial and of course SWR function.

1.8 to 200 MHz

Excellent condition.

\$55 Shipped Lower 48

Curt

Ka3ivb

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [15355] FYBO summary sheet
Message-ID: <3.0.1.32.19970321212230.006bea54@aldus.northnet.org>

Sorry folks, I screwed that file transfer up. I didn't stop it in time to keep it off the list. I apologize profusely for cluttering the reflector up with this. And I'd been having such a good day too, what with the computer virus and losing internet connectivity and all. Enough complaining, again sorry for the mistake.

72 de Rick WZ2T NNY

srichard@northnet.org
---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [15354] FYBO Summary Sheet WZ2T
Message-ID: <3.0.1.32.19970321210420.006ba65c@aldus.northnet.org>

"FREEZE YOUR B____ OFF" WINTER QRP FIELD DAY SUMMARY

Call Used: _WZ2T_____ Callsigns of Operators:

Category: _Single Op_____ (Single-Op, Multi-Op, Novice/Tech+)

Number of Novice/Tech+ QSOs: _____

QTH: _NY____ Highest Power: __70__ W Lowest Operating Temp:
__70__ F

RIG(S): _Kenwood TS940 NorCal Sierra____ ANT(S): _80/40 Trap Dipole @
abt 50' _

|-----|
| S/P/C Mults |
|-----| Multipliers (Check any that

W1	CT	MA	ME	NH	RI	VT						Field Location =	
W2	NJ	NY											
X4 __												Alternative Power Source =	
W3	DE	MD	PA										
W4	AL	FL	GA	KY	NC	SC	TN	VA					
X2 __												QRPp (less than 1w) =	
W5	AR	LA	MS	NM	OK	TX							
W6	CA	HI											
X2 __												Lowest Operating Temp Recorded 60+ F =	
W7	AK	AZ	ID	MT	NV	OR	UT	WA	WY				
W8	MI	OH	WV										
W9	IL	IN	WI										
X1 __												50-59 F =	
W0	CO	IA	KS	MN	MO	NE	ND	SD					
X2 __												40-49 F =	
VE	NS	QU	ON	MB	SK	AB	BC	NWT					
X3 __												30-39 F =	
VE	NB	NF	LB	YU	PEI								
X4 __												20-29 F =	
DX	__	__	__	__	__	__	__	__	__	__			
X5 __												Below 20 F =	
DX	__	__	__	__	__	__	__	__	__	__			
X6 __													
DX	__	__	__	__	__	__	__	__	__	__			

Comments:

I have observed all competition rules as well as all regulations for amateur

radio in my country. My report is correct and true to the best of my knowledge.

I agree to be bound by the decisions of the contest committee.

Date_3/21/97_ Signature___Richard C. Sherman____ Call__WZ2T_____

srichard@northnet.org

---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [15422] HeathKit List
Message-ID: <3.0.1.32.19970322214343.0069d4c0@mailhost.primenet.com>

Calling all Heathkit amp owners, collectors, admirers!!!!

Send a message to: listserv@listserv.tempe.gov
in the body of your message, include the one line:
"subscribe heath your name"
(use your real name, not your e-mail address, and no quotes)

This is a *FREE* list.

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Brian K. Short KE7GH" <ke7gh@PRIMENET.COM>
Subject: [15423] HeathKit Mailing List Reflector
Message-ID: <3.0.1.32.19970322214912.006c0990@mailhost.primenet.com>

Calling all Heathkit owners, collectors, admirers!!!!

Subject:
Body: "subscribe heath your name"
(use your real name, not your e-mail address, and no quotes)

This is a *FREE* mailing list reflector.

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: msadams@ubvms.cc.buffalo.edu
Subject: [15356] Impeach N4BP-- NOT!
Message-ID: <Pine.PMDF.3.91.970321213848.543374483A-100000@ubvms.cc.buffalo.edu>

OK Gang,

I should add that yes Bob, N4BP, is a class guy and super tester. I did not say or imply that he was not. My original post was meant to be pure humor. Nothing more.

Bob *DID* take the time to dispatch a fellow who was point gathering so we could QSO during the test. Bob would have chatted with me for as long as I wanted. But I did not hold him up too long.

So Bob, for what it is worth, I really do not mind what power you run!

Mark N2VPK

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: ericvia@why.net (Eric Via)
Subject: [15401] Key Clicks Messing Me Up & More!!
Message-ID: <v01520d0071457101ddab@[205.240.253.213]>

Friends,

I love using my HW-8! I love this Ham stuff! I have made 3 contacts now - and 3 different states! I love it!

There are a few little things that are starting to bug me though.

1) My straight key is bugging me - when it contacts it's a metal to metal sound that is throwing me off sometimes! Even if I do it softly it still bothers me and sometimes interferes with what I'm sending - especially on the S's and I's and E's! I think I could fix this problem if I can get my OWN CW to come through the speaker LOUDER! Perhaps it's time for a new or better speaker!?

You know the deal with CW - the more you think about the sound of your own sending the more you may screw it up. (At least this is my case) Or maybe it's just that I don't want to hear that clicking!

2) The dial on the HW-8!! It's kind of silly! On 40m I can go BELOW the zero mark so how do I know it's accurate? Arrgh! I guess I could ask some contacts for QRG and work on it.

BTW I must say I LOVE 40M!! It seems crowded at times, but what the heck - there's always someone there!

Thanks advance!

72 Eric AD4SS
ericvia@why.net

Father, Husband, Writer, Ham Op (AD4SS QRP CW, Beer-maker, Mercedes-Benz owner & lover, Spelunker, South Carolinian, Mac-head, Libertarian, Dreamer, Ex-Navy, Weimaraner fan.

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [15353] KL Net this Sunday
Message-ID: <333338F5.5F8A@amsat.org>

Hi Gang,

This Sunday is my turn to call the weekly KnightLite's Roundtable. The past three weeks have seen N3G0, K3QIO, and WJ4P as net controllers. We look forward to hearing from you this Sunday, beginning 0230 UTC (9:30PM EST) on the Pixie Frequency, 3686.4 KHz +/- QRM. (Word has it that N3G0 is going to show up one of these nights with his 20W amplifier -- the one made from all those 2N3904's he keeps trying to

give away at the QRPizza gatherings.)

We welcome check-ins from any call district, running any amount of power. To date, we've had folks to check in with anything from 100W to less than 1 mW...We'll be listening real hard for you folks out West.

This Sunday's session will give all you antenna whackos out there a chance for fun and fame. We're going to see who can make it in with the weirdest, or most unique antenna. Lay some wire on the ground, or load up your rain gutter or window screen and send us some RF. I know some of you are shaking your heads, but once, while operating from the coast with a kite supported longwire, I received an RST 569 from a station in PA. Five minutes later, the kite fell to the ground. We all laughed when the same station gave us an identical 569 while the antenna was wrapping itself around the sea oats.... Ya just never know :-)

Speaking of the beach, check out the website regarding the Knightlite's forthcoming QRP Expedition to uninhabited Portsmouth Island April 4-6th. We hope to work a bunch of our QRP friends. For those of you who don't have web browser capability, we'll be happy to send info via email.

<http://www.ipass.net/~aa4xx/ocra1.htm>

Happy weekend to all,
Paul, AA4XX Raleigh, NC

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennnc@alaska.net>
Subject: [15424] KL7G - 2230Z
Message-ID: <33345C4F.617E@alaska.net>

KL7G is knocking off QSO after QSO on 14.246 SSB at 2230Z

KL7G is the club callsign of the South Central Amateur Radio Club.

73,
Jim
AL7FS

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [15382] More Late Night 30-Meter DX
Message-ID: <199703220755.XAA16942@sierra.psnw.com>

Friends,

If you don't have your 38 Special up and running yet, you may want to heat up your soldering iron over the weekend. Thirty meters was open until almost midnight, Pacific time, Friday night. I added JA8DGO, ZP6CW, 7L1JHN and VK2PA to my 38 Special DXCC list. I still only have thirteen countries with my 38 Special, but the list is growing.

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15359] N4BP
Message-ID: <199703220316.DAA02754@chuck.dallas.sgi.com>

Gang,

I too was just joking. I have worked Bob on a number of occasions and during a whole bunch of contests.

Heck, the guy has taken a lot of first places and I think....No I know as I just took down the 1995 CQ Amateur Radio Almanac and find that N4BP, SFL, has the top score Single-Operator Low-Power (that's not QRP, but we'll let that one go Bob) of 1977 (geez he's been around a while :-)) with a score of 149,850 points the ARRL SS CW Section Records. It will be a while before that puppy is broken.

Guess Bob is enjoying the warmth of SFL and taking life easier and not going for the Brass Ring all the time like the young 'uns. :-)

So he can hear real good. We just gotta give him a hard time once in a while.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Tj Johnston, N4UYQ" <tjohnsto@erols.com>
Subject: [15415] New QRPer looking for information and suggestions
Message-ID: <33343CEC.56E4@erols.com>

I have just joined this list, so bear with me if I repeat an often asked question.

I have built a few things over the years, so I am not new to homebrew, but i have never built a radio from scratch. I am interested in operating CW and possibly SSB. I see many kits and plans for HF-QRP equipment.... but I would really like to find some plans for 6m and 2m. Can anyone steer me in the right direction?

Also...on the HF side... am looking for 80m CW/QSK/RIT Transceiver... Im not familiar with all the brands and models available... again.. any suggestions?

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [15348] OHR100 IF filter experiment (Long)
Message-ID: <19970321.171535.4062.0.gsurrency@juno.com>

In studying the OHR100's variable IF filter, I came up with the following (albeit crude) experiment. This rig was purchased during the recent group buy.

TESTING THE CRYSTALS

I wanted to know the center frequency of the crystals I had, and if they were all reasonably well matched. So I checked them and graded them according to frequency.

First I cobbled together the crystal-controlled signal source from the 1995 HandBook on page 27.5. I then proceeded to pull out all the 9.000 Mhz crystals from the OHR100 to test them for resonant freq. Using a frequency counter calibrated against WWV, I tested each crystal's frequency. (Note that the counter's accuracy is not critical here, just it's stability while testing the desired crystals.)

Here is what I found:

No.	Freq. (Mhz)	Grade
1.	9.001060	★

2.	9.001093	*
3.	9.001114	#
4.	9.001110	*
5.	9.001040	@
6.	9.001060	*

I installed the graded crystals in the following way:

* used for IF filter
 # used for BFO oscillator Y101
 @ used for transmitter oscillator Y100

I put them in the circuit in the following order:

Crystal No.	Designated	Freq. (Mhz)
4	Y105	9.001110
2	Y104	9.001093
1	Y103	9.001060
6	Y102	9.001060

Note: Input to crystal filter is Y105. Y102 is the last crystal in the signal path.

I figured the two that were on exactly the same frequency would be better utilized at the output of the IF filter. Any comments on different placement of the crystals is welcome.

Dick at OHR told me the crystals in the OHR100 are matched to within a 100 Hz or so, and this experiment confirmed that.

So they are not very far apart in freq. I selected the 4 closest crystals for use in the IF filter. The highest and lowest freq. xtals I put it in the BFO and transmitter oscillator, respectively, since they can be "pulled" in freq. by the trimmers. I found the arithmetic mean freq. of the remaining 4 crystals to be about 9.001081 Mhz, with a standard deviation of 0.000025 Mhz or 25 hz.

I can't really say I noticed an improvement in the opposite sideband suppression using four 4 of the supplied six 9.000 Mhz crystals I personally matched over wherever the crystals were in the IF filter originally. Unfortunately, I forgot to mark them before I removed them! :-(They were originally installed at random from whichever one I happened to pick up during construction since they were not marked.

It still seems that the BFO adjustment makes the greatest difference when aligning. Comparing audio level measurements while tuning the VFO on either side of zero beat on a signal indicated a tradeoff between maximum

audio signal and opposite sideband suppression. I chose to adjust the BFO for a compromise between maximum audio level and best opposite sideband suppression.

ALIGNING THE BFO / CRYSTAL FILTER

This is pretty easy to accomplish by using the following method:

Remove the LM324C to disable the AGC. Adjust the OHR100 main tuning control for maximum AF voltage reading on a weak signal from the HF rig or whatever you are using for a signal source. Use only the level necessary to get a 1/2 scale to full scale reading on your voltmeter's lowest AC range, and use a audio dummy load so speaker resonance doesn't alter the readings. RIT should be off, and the bandwidth control set to minimum bandwidth. AF gain should be near maximum so only a small signal is needed for indication on the meter.

Tune in a weak signal from another rig, or a crystal oscillator, signal generator, whatever you have. Adjust either the signal source, the Main tuning of the rig, or both to get a good meter reading. Tune for peak audio amplitude. Reduce the signal source or use less coupling as necessary to get just enough signal for a full scale reading, and as you make adjustments you may have to reduce the signal further to prevent exceeding the meter's scale.

Turn on the RIT. Now watch the AF voltage and peak it with simultaneous adjustments of the BFO frequency trimmer and the RIT to keep or move the signal source into the center of the crystal filter's passband, as it may not be upon initial adjustment of the Main tuning knob and BFO. Adjust the BFO frequency trimmer to cause the audio pitch to go lower with clockwise turning of the RIT control.

Several adjustments of both BFO frequency and RIT will be necessary to find the exact BFO frequency that coincides with maximum audio voltage. The desired signal should now be centered in the IF passband, and the greatest audio voltage should be developed by the product detector , U102.

Using the RIT this way to change the receiver's frequency is easier than turning the main tuning knob, since the RIT has less range and it is easier using it to keep up with BFO adjustments as you change the BFO frequency.

Set the audio voltage for a full scale setting on your meter's range and then use the RIT to tune the rig to the "other" side of zero beat. Note the maximum AF voltage. If you want to make the opposite sideband suppression maximum (minimum AF voltage), a small adjustment of the BFO may be needed.

Now tune back to the desired sideband and see if it went down too far from the best setting. Use this procedure a couple of times to achieve the best compromise between maximum IF filter signal and best opposite sideband suppression. The two settings will probably not coincide, but an optimum setting can be achieved. Take readings of the two voltages and do the math for yourself if you want to know what your filter's performance is. Use the formula:

$$\text{db}=20 \log E1/E2$$

Where E1 is the higher AF reading and E2 is the lower one. This keeps the value positive, but if you reverse the two you'll just get a -db value indicating how much the opposite sideband is suppressed.

If you want to, now is the time to check if the BFO is set to the "best" side of the crystal filter's center frequency. Try moving the BFO trimmer through zero beat and continuing on to the achieve peak AF voltage setting on the meter using the procedure described above. You should now have the BFO on the lower frequency side of the crystal filter's center frequency.

Keep the signal in the IF passband with the RIT if it has moved any from the previous adjustments. Note that a clockwise movement of the RIT now increases the audio tone. You should find a difference in filter performance, with the correct setting of the BFO being the one that gives best opposite sideband suppression.

The actual BFO setting for my rig agreed with the method described in the manual to look for a decrease in audio tone with an increase in the tuning frequency control. See for yourself. This method finds the proper BFO frequency that results in best performance from the crystal filter and the BFO / product detector. It is easier to do than it is to describe it, I can assure you.

RESULTS AND MEASUREMENTS

I found a good difference between the desired and undesired sideband. Adjusting the AF gain for 1.5 Vac on the desired passband with the BW knob set to minimum, the opposite sideband indicated 0.1 Vac on my VOM connected to the audio output.

Since $\text{db}=20 \log E1/E2$, or 23.52 db opposite sideband suppression at minimum bandwidth. Wide open bandwidth yielded only 1.24 db, with the center setting of the bandwidth knob indicating about 3.7 db of opposite sideband suppression. The sideband suppression increases dramatically as the bandwidth knob is advanced. This is not too bad for a simple IF filter that is adjustable to boot!

A scope could be used at the input to the product detector to center the test signal in the IF passband if one with sufficient sensitivity is available. Then the BFO could be adjusted without moving the tuning control. The AGC is audio-derived, so it is therefore best to remove the LM324C, thus eliminating the AGC action from masking the best peak AF voltage during adjustment. Do the receiver bandpass filter alignment with the AGC disabled this way also.

This method seems to me to be the best way to align the BFO frequency on the correct side of the IF filter's passband, and it gets the best signal level thru the filter when set to the sharpest setting. The wider bandwidth settings are still OK, and the opposite sideband suppression seems acceptable at anything less than "wide open". I tend to leave the BW control in the wide setting while "cruising" the band, and then I reduce it in bandwidth when zeroing in on a signal of interest, depending on QRM. Very little decrease in signal level when reducing the bandwidth is noted if the BFO is adjusted properly. It works very well.

The peak audio frequency I measured on the tightest IF BW setting is about 550 Hz, so I am thinking the BFO must be set to about 9.001631. Subtracting the center IF freq. of approx. 9.001081 from this frequency would yield a 550 Hz maximum level audio tone with a signal centered in the passband. I believe this to be the correct BFO frequency on the high frequency side of the IF passband, producing what the manual states is a clockwise rotation of the tuning knob results in a lower audio tone. But I could have it exactly backwards, and the BFO actually at 9.000531 Mhz. It's a little confusing.:-)

I wasn't able to measure this frequency on the BFO, since I don't have a decent oscilloscope and my frequency counter loads the NE602AN mixer/oscillator too much to read a frequency. So all of this is theoretical and calculated, but unless I have grossly erred somewhere it should be pretty close.

After the BFO is set this way, set the transmitter oscillator as the manual suggests. Get it right or you'll be chasing (or chased by!) the other station when you make a QSO! Use another rig to be sure.

SUMMARY AND CONCLUSIONS

It sure is a quiet receiver! And it hears anything my big rig does. There is not a single transistor in the signal path, except for the FET audio switch. The signal passes only through IC's from antenna to speaker. NE602 to xtal filter to MC1350P to NE602 to (FET switch) LM380. Of course, I'm leaving out a lot of circuitry here, the LO, AGC, VFO, the entire transmitter and sidetone circuit. But you get the jest of it. No problems with overloading or images.

The crystals in the rig are pretty well matched, and if care is taken to match four of them for the closest resonance, I found little or no improvement in filter characteristics. This is probably a tradeoff of this variable IF filter design. A filter designed for a desired IF bandwidth can be optimized using fixed value shunting capacitors along the ladder filter. Changing the shunt capacitance on the filter with varactors in this design makes it harder to predict the effect on the IF filter. I wonder if matching the varactors might contribute to better IF response? This would be hard to do without the proper equipment.

Using the peak level audio frequency of 550 Hz I found in the alignment, the rig's sidetone range of ~470Hz to 710 Hz seems reasonable. I set mine to 550 Hz to match the peak IF passband frequency, and it results in the sidetone frequency pot being just about centered in its range. An audio filter if constructed, would need to be designed at or near this frequency. I prefer the sidetone and received signal to be close to the same frequency, and near the AF filter freq. if used.

Similar measurements using the same rather crude methods yielded about 31.5 db opposite sideband suppression on my 40m TAC-1, although I didn't open it up to disable the AGC and that had to affect the results. It also uses 4 matched crystals but in a fixed-bandwidth IF filter and different means is used to couple the crystal filter to the mixer and product detector. So I am really comparing apples to oranges, but you can see the difference in IF filter designs between an adjustable one, and a fixed-bandwidth type.

Keep in mind these tests were not done using lab test equipment, but you can do some of these tests yourself for a rough approximation of your radio's performance. All you need is a signal source, a VOM, and a lot of patience. And an alignment probably wouldn't hurt if you are confident of what you are doing. If not, it's probably best to leave it to someone else.

While not entirely scientific, this was an interesting experiment to conduct. As a result, I want to know more about ladder-type crystal filters. Some references in the HandBook may be worth investigating. At the very least, I got a good understanding of the circuit and a crystal oscillator tester out of the experiment. Since I built the xtal tester kind of "ugly" style, I'm going to request a PC layout diagram from the ARRL (using a SASE) and build it into a little box for future crystal testing.

If anyone has any comments or ideas about this experiment, I welcome them.

No effort was made to arrive at specifications approaching those made with good lab equipment, so don't please don't take my filter

measurements as being very accurate.

Lacking the lab the ARRL has, it is hard to get true specs on these radios and most of the specifications aren't published for them. I only intended here to maximize the alignment procedures, and make some rather casual observations.

Maybe I have spurred some interest or answered some questions about this particular IF filter and doing a BFO alignment. It might be interesting for some of you to try something like this on your rig. Have any of you performed some experiments similar to this when building your rig, be it homebrew or a kit? Do you match your own IF crystals, or know how to? It's not really that hard, so build a crystal tester and have at it!

References: ARRL HANDBOOK, pp. 4.17, 16.19 - 16.20, 27.5

Thanks for the bandwidth. Hope to work you on 20m QRP with the OHR100.

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) and ARK30, OHR100 20m, AT-11 (QRO and QRP)

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Az ScQRPions

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>

Subject: [15369] Phil Sikes mail bounce

Message-ID: <9703220447.AA13315@tlcnet.muohio.edu>

Phil,

Your e-mail keeps bouncing for some reason.

Would you mind tell us what you are using for a 30 Meter antenna?

You are making out like a bandit with all the dx.

I ordered my Ten Tec 1330 this afternoon and then came home and listened on the band.

The noise was horrible. I had wished I had not ordered the rig.

I listen to the noise and noticed it was rythmic and peaked at very close intervals. I started turning things off in the shack. It turned out to be the computer was trashing 30 meters big time.

I am anxious for the Ten Tec to arrive. Once again a happy camper.

73

Vic AD8K

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Tero Ranta" <dixie@icenet.fi>
Subject: [15395] QRP Book
Message-ID: <199703221620.SAA28732@icebox.icenet.fi>

Hi,

I'm beginner in this field so I hope you experts could help me.
Finnish Radio Radio Society offers following books. Which one of
these are best for do-it-yourself QRP'er?

G-QRP CIRCUIT G-QRP Club Circuit Handbook
QRP CLASSICS ARRL QRP Classics
W1FB QRP NOTE W1FB=A6s QRP Notebook
YOUR QRP Your QRP Operating Companion

Regards,

Tero Ranta

Vacuum Tube Tesla Coil Page:
<http://www.icenet.fi/~dixie/>

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: "Douglas L. Datwyler" <datwyler@mail.aros.net>
Subject: [15370] QRPp copy
Message-ID: <3333671F.1A59@mail.aros.net>

I have found someone local to the Salt Lake City area with one to copy.
Thank you to all who have offered.

Douglas L. Datwyler WR70 DN40bo Sandy, UT
datwyler@aros.net

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [15358] QRPp December
Message-ID: <19970321.210447.4431.1.n4so@juno.com>

I understand that the QRPp Journal of the NorCal QRP Club can be photocopied if it is not a commercial venture and if the author and QRPp are given credit.
It might be best if the topics were copied separately since the issue covers sixteen topics and 67 pages.

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [15412] R7000 40-10M
Message-ID: <3.0.16.19970322111203.3777ea16@mail.lightside.com>

I have been informed by a friend, to whom money is no object;^) That I will be given his 2 year old 40-10M R7000. Is there any info on homebrewing an 80M coil, etc.? Also info location on it? My antennas have been wire only up to now.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: DM84wc

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: JALexan706@aol.com
Subject: [15374] Receiver?????
Message-ID: <970322001010_1749337790@emout17.mail.aol.com>

I have a Hammarlund HQ100A receiver and I need a manual to align it. If any of you have one please let me know, I will pay for you to copy it or what ever. I need to get it fixed because my 38s has not came yet. I have built a 40m tx that puts out 1/2 watt, its a homebrew rig. I also have a Heathkit AT-1 that has been modified for 30m and it seems to work well, but going to put it

back to factory. This is new for me and it sure seems to be fun. I love CW and work it mobile alot. When I get my 38s I'm going to go to the park on a saturday and see how many stations I can work. Better quit talking. Thanks to anyone that can help.

KB0PTE

Wayne

E-Mail Address: JALexan706@aol.com

tnxs agn es 73

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997

From: Robert Paschal <r-paschal@worldnet.att.net>

Subject: [15371] Source for Tubes/Valves??

Message-ID: <19970322050106.AAA15329@LOCALNAME>

I'm overhauling some old test equipment. Anyone got a good source for vacuum tubes?

Thanks, Bob AA0MC

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997

From: "JOEL DENISON" <jdenison@morelr.com>

Subject: [15361] the final qrt/ be kind to N4BP

Message-ID: <19970321213102.24bf3c74.in@mail.morelr.com>

High guys and gals of the qrp type:

I walked with Jesus the other day! (heart attack) and was a bit upset when he asked "Joel Who?" but was pleased when He wanted to hear more about qrp.

While He had me distracted some of the medical types patched things up and sent me back to face more qrm. (with open arteries this time :-)

One of the things he asked me to do was to be kind to N4BP who aparently is misunderstood by many. :-) Another thing He did was explain how crowded the 40 mtr band was getting while the other bands folded at night.

One of the questions that scared me the most was when He asked me if I knew what the term "silent Key" meant. I, of course, replied Yea! qrp at .00000000001 watts. Well at least I got a smile out of Him. A bit later He decided that I was not fit for Him or the devil so He sent me back.

And this is what I wanted to tell you. I am back and mending fast.
cu 72.

God Bless

Joel

WA5CVM

Joel Denison

start)

81 High street

Farmington, Maine 04938

jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - high

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: winwb5kom@fs.cei.net (Win)

Subject: [15365] Unbuilt kit for sale

Message-ID: <199703220433.WAA09386@minor.fs.cei.net>

Greetings all:

I have an unbuilt 20 meter CW TravelRadio kit for sale. The kit was packed by RadioKit in the mid/late '80's and is based on the K1BQT 20 meter CW Travel Radio that was featured in Ham Radio Magazine during the same time period. I have had it the last eight years or so and have just never got around to assembling it. It is still in the same box as packed by RadioKit and delivered to me.

Features single conversion superhet, *real* 9 MHz xtal filter (not a CPU xtal job), switchable audio filter, AGC, metering for rf and "S" units, vernier VFO tuning, 15 watts *out* from an MRF479. The kit is complete with all parts and circuit boards, less case which was left to builders choice. Documentation is copy of the magazine article, builders guide by K1BQT with pc board layouts, wiring diagrams, chassis templates, etc., and RadioKit builder's update sheet.

I imagine the CW radios now sold by MFJ are derivatives of this design. \$125 plus shipping. Sorry for all the bandwidth. Win WB5KOM

BTW what ever happened to RadioKit?

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: v31ry@ix.netcom.com

Subject: [15418] Wait a minute...

Message-ID: <199732213322676334@ix.netcom.com>

N4AOX posted:

>Dave Sjolin wrote:

>> two qrpers, W2HT and W0Y0R,
>> intentionally jammed a number of rtty stations during last week's
>> contest calling cq on or near 7040 (the frequency was not in use).
>>
>
>Wow, two qrpers jamming RTTY stations, ..I'll bet they were running
>those rock crusher Norcal 40's! What a hoot! This sounds like the
>subject RTTY ops need to get a receiver or try a more robust or fault
>tolerant mode;-)

Excuse me, but the only reason U.S. RTTY ops even go down to 7030-7040 is to work WEAK signal DX! They don't rag-chew there, and they try not to work other North American stations there. A 5w QRP cw signal WILL kill a very weak RTTY signal from Africa or Asia or Europe.

Can't we get past this bickering about CW vs RTTY? People ARE going to share the bands, and the frequency usage is not up to just the FCC. Actually, since Asian, European, and South American hams cover more of the world than the U.S. hams, we're in the minority when it comes to claiming 7040 exclusively for QRP CW. In other ITU regions hams can't operate digital modes higher in the band.

So it goes...

Glenn AE0Q/V31RY

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [15419] website
Message-ID: <9703222050.AA06892@rgfn.epcc.Edu>

Hi gang. I was just looking at the forsale/swap/wanted web site and a couple of items are there that might be of interest to the list:

a Mizuho mx14s 20 meter handheld for \$250.
a TenTec Argo 515, been listed for a few weeks now.

The website is: <http://www.webcom/webpub/class.html>

Lots of other gear also listed, lots with good prices.
72/73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146
El Paso, Tx

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
From: george fremin iii <geoiiii@bga.com>
Subject: [15390] Re: Antenna Listserver Wanted
Message-ID: <199703221537.JAA25458@zoom.bga.com>

>quad for 15 meter band. I have several questions and do not know
>where to place it. I wonder if somewhere let's say an antenna
>listserver exists. I have no access to WWW yet and looking for a
>listserver as this one.

There is a great email reflector for towers and antennas.
Here is the info:

FAQ on WWW:	http://www.contesting.com/towertalkfaq.html
Submissions:	towertalk@contesting.com
Administrative requests:	towertalk-REQUEST@contesting.com
Problems:	owner-towertalk@contesting.com
Sponsored by:	Akorn Access, Inc. & N4VJ / K4AAA

Have fun.

--

George Fremin III	
Austin, Texas C.K.U.	"I'm on a mexican radio"
K5TR	- Wall of Voodoo
512/416-7010	
geoiiii@bga.com	

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997
Subject: Re: ARK4

S & S Engineering. Got there from the NorCal club page
(<http://www.fix.net/~norcal>)

=====

S & S Engineering
14102 Brown Rd

Smithburg, MD 21783

E-mail: ??

tel 301-416-0661 Call for info.

ARK-4

TAC-1 kit, \$199.95

Assembled and tested, \$299.95 (80 or 40 meters)keyer, \$29.95,
if purchased with TAC-1 plus shipping.

NNNN

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: George Gingell <k3tks@u1.abs.net>

Subject: [15375] RE: Attic Blues

Message-ID: <Pine.BSI.3.93.970322000016.13402B-100000@u1.abs.net>

Hi Eric,

Just couldn't resist a few comments on your Learning Experience in
the Attic.

Lesson Number one: Never Go into the Attic with a "Fresh GI Haircut",
or in the case of some of us with a naturally high forehead without
adequate head protection. Just the thought of crawling around the attic
stringing wires brings back vivid memories of my old house which had
numerous spider webs (manmade) and all the Blood, Sweat, Tears and Skin
left on the Rafters and braces! That is when I came to realize the
benefit of Hair. It gives a measure of protection as well as "Early
Warning" of impending DANGER! It takes a lot of Blood,Sweat and Skin
to install a Loop in an Attic. Even if you do put down plywood to crawl
about on before hand.

Lesson number Two: Remember your Hard Hat and Lesson Number one. :^)

72 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: Bob Hightower <ki7mn@dancris.com>

Subject: [15399] Re: AZ - FSFM: N7VE

Message-ID: <199703221713.KAA03515@dancris.com>

At 12:55 AM 3/22/97 EST, you wrote:

>Juno just got back up, so here is my report:

>

>My log was not as good as Bobs. He was calling "CQ WAS QRP" and I was
>calling "CQ FSFM". I think "FSFM" has a nice CW rythm to it, but I am
>not sure very many people recognized it.....
>

Well, I may have had a couple more contacts, but I didn't get K5F0, and I
thought he'd be in there. Got to get my ears fixed, I guess.

BTW, KA7NOC Steve, was running 300 mw, not 200 watts. More proof on getting
the ears fixed!

Also, the NE5ID was K5ID, Ken in Arkansas. Sheeesh! I just had the ears
irrigated a couple of weeks ago (not a fun experience), but they must have
used muddy water.

Anyhow, it was great fun, and thanks to everyone I managed to copy.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [15367] Re: BAN RTTY'ers
Message-ID: <3334627b.253886965@smtp.usit.net>

On Fri, 21 Mar 1997 15:27:09 -0800 (PST), "Dana H. Myers"
<myers@bigboy.West.Sun.COM> wrote:

>Marty Watt wrote:

>

>> I think the solution is to ask digital mode ops to use the CW
>> portion of their multi-mode controller to call "QRL?" before sending
>> CQ in other digital modes.

>>=20

>> Then, like CW ops, LISTEN for the reply!

>

>I suppose, just as validly, we could require all CW ops to send QRL?
>using some kind of packet mode and wait for a reply.

Nah. I was just pointing out that most of the multi-mode
controllers do have a CW mode -- an untapped potential for CW ops
IMHO!

>> At least, if I operated digital, this is what I'd do.
>
>Heck, just listening, even without a QRL, can be quite valuable.
>I sometimes think people tune around and send QRL? without listening
>at all to see if the QRL is going to clobber someone.

Hah! I think you're right on this one!

>> How can you ensure proper modulation on your signal if you don't
>> listen via the speaker?
>
>Um, how can most any of us hear our own modulation on a transceiver?
>To answer your question, one **could** use an oscilloscope to ensure
>proper modulation, but I think you're asking a different question,
>or perhaps even making an implied complaint. I get the impression
>you're accusing digital ops of never using a speaker. Well, you've
>really got to use a speaker to tune a digital signal in, even if
>your TNC has some fancy fine-tuning meter.

Actually, my comment was made in response to:

>Well Michael I agree with you about a lot of the digital operators not
>listening before operating. Since it's easy to operate without having =
the
>speaker on I guess most just like to operate in silence.

(quoted from a message dated Thu, 20 Mar 1997 11:43:10 -0500 (EST))

Actually, I think you and I are making the **same** point! Digital
ops have a speaker, so do CW ops, we **all** need to use it
(particularly for those of us who do both -- I've got an MFJ1278 I
used to crank up on RTTY from time to time myself, when I possessed
an appropriate QRO rig).

>Digital ops seem to be frequently portrayed in poor light on
>QRP-L; the fact is, most of them are nice people just the same as
>any qrp CW operator. Sure, it is annoying to have to compete for
>spectrum with others, but don't let this turn one good amateur against
>another.

I think the answer is the old adage -- you can't work what you can't
hear. This, to me, indicates to **all** of us we should listen more
and key the transmitter less!

>P.S. If someone needs to flame me, let me point out that I don't even
>have a TNC connected to my HF radio ;-).

Hey, perhaps you should -- then you could pick up the callsigns of

the offending stations for us! <VBG, which stands for Very Big Grin,
from the days before emoticons>!

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: john andrews <jm165723@eee.org>
Subject: [15372] Re: BAN RTTY'ers
Message-ID: <333367C0.6E3A@eee.org>

Hi:

Ban the bomb...
Ban the bra....
Ban the rtty... Is this another mode no one told me about?

John- N5INZ

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: [15414] Re: BAN RTTY'ers
Message-ID: <333436D1.4AB1@worldnet.att.net>

Dave Sjolin wrote:

> two qrpers, W2HT and W0Y0R,
> intentionally jammed a number of rtty stations during last week's
> contest calling cq on or near 7040 (the frequency was not in use).
>

Wow, two qrpers jamming RTTY stations, ..I'll bet they were running
those rock crusher Norcal 40's! What a hoot! This sounds like the
subject RTTY ops need to get a receiver or try a more robust or fault
tolerant mode;-)

> RTTY ops like all others have a responsibility to be sure that the 500

Actually the FCC has a precise definition of what constitutes the 500 HZ bandwidth for DATA/RTTY. I don't believe the "or so" is used in the definition. One wonders what the "or so" means.

Hmm, the last time I checked only CW was allowed everywhere in the HF Ham bands. I believe this is because CW is inherently unobtrusive narrow in bandwidth and under human control at all times. Has there been a recent rule change on this item?

72/73,
Clay N4A0X

NO, NO guys you have it all wrong
We should all band to stamp out fixed wing qrp in favor of rotary wing qrp!
rtty is an excellent qrp mode. it's elimininating fixed wing qrp you
should put your energies to.
One thing to remember: if it is ok for us to ban fixed wing qrp then
it is ok for someone to ban us!
Then all the anger stirred up by all this banning is going to divide
us into good guys and bad guys (depending on which group you're in), raise
out blood pressure and slow down our kit building and expermenting.
If you must band something ban fixed wing qrp and get ur 38special
up and running. unless, of course, the 38 special gets banned by someone else!
Unity is better than division and health better than illness. Let us
strive for qrp unity (except for fixed wing qrp, of course) and build a new
kit. We'll all be a lot happier and on the air more for doing this... :-)

joel

God Bless
Joel

WA5CVM

Joel Denison

start)

81 High street

Farmington, Maine 04938

jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - high

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: "Vasili S. Maslyukov" <vasmas@ham.isu.runnet.ru>

Subject: [15381] RE: Case construction kit?

Message-ID: <AATMuCpmDB@ham.isu.runnet.ru>

Hi Marty,

My own experience is as following:

Everything is quite the same as with producing printed circuit board.
You have to make photo-copy of a label onto thin (0.2 - 0.3mm) aluminum
plate. Then etch it in usual way but the etching time must be around
10 - 30 seconds. The best way to experiment. Then you cut and glue your
label in place. Paint it with dark color marker, polish it and you get
the label you like.

72\$73

UA0SN

Wasya

```
*-----*
* UA0SN          Tel +7(3952)31 9181          *
* Vasili MASLYUKOV Irkutsk, P.O.Box 323, 664050, Russia *
* NorCal #750     QTH Locator: 0022di        IRK time = GMT+8 *
```

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>

Subject: [15349] Re: Case construction tips?

Message-ID: <01IGSC3V6VVI8Y5A9T@vyh21.vyh.fi>

> It seems today the cases we can buy are made of some pretty soft
> aluminum that wont take much pressure from the drill. So, I use a
> backup block of wood (oak works well) that has a bunch of variously

> Use sharp bits, and just enough pressure to let the bit cut...dont
> get in a hurry and push. I use a little drillpress that fits one of
> my 3/8" drillmotors, and a small vise that's designed to set on the

Doug et al.,

Consider adjusting the number of revolutions per minute of the drill.
The larger the hole, the lower the speed I use. The drill I have is
rather old but it has a triac adjustment from full speed to zero and I
drop the speed quite low for extruded aluminum and diameters close to
10 mm, which is the maximum size drill I have. I have the drill in a
drillpress, allright.

BTW, there are special drill bits for aluminum, which will make a
neater hole, but I use HSS bits, because for one thing the special
bits are not available in any shops, hi.

I often put a folded piece of cotton cloth between the bit and the
object to be drilled after starting the hole. This helps getting a
clean round hole in aluminum sheet.

A long time ago, when I just started to drill my own enclosures etc.
holes used to come out more or less triangular, hi.

Later I acquired a few selected sizes of hand punches (Q-something)
for round holes larger than 10 mm like e.g. 16 mm for a European DIN
jack. These punches have often come in quite handy. But with the
multitude of connectors and switches of today that are intended for
slotted holes, I find myself filing away from time to time as well.

73,

Arjen Raateland, OH2ZAZ

Suomen Ymp rist keskus / YV

--... ..- -.. . ------ ---.. ..- ---..

Finnish Environment Institute, Helsinki, Finland

SAS Support

EMAIL: Arjen.Raateland@vyh.fi

tel. +358 9 4030 0457

fax +358 9 4030 0490

..-.. -.-

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: mdwatt@usit.net (Marty Watt)

Subject: [15368] Re: Case construction tips?

Message-ID: <33356376.254138548@smtp.usit.net>

Thanks for all the case construction tips. I think they'll all be put to good use by the "new" kitbuilders out there (like me).

Anybody have any thoughts on labeling or freq. readout scales, etc.? Dymo labels seem so, well, amateur. Anybody found any good "almost professional" lettering and labeling methods, reachable by the average kitbuilder?

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: john andrews <jm165723@eee.org>  
Subject: [15376] Re: Case construction tips?  
Message-ID: <33336C05.6357@eee.org>

>  
> Anybody have any thoughts on labeling or freq. readout scales, etc.?  
> Dymo labels seem so, well, amateur. Anybody found any good "almost  
> professional" lettering and labeling methods, reachable by the  
> average kitbuilder?  
>  
> 72 es 73 de  
> Marty,

Hi Marty and all:

I've read lots of high tech responses to this over the years. I have a simple solution:

1. Make photo-copies from various handbook artwork, magazines, even your own gear. Cut and paste 'til you've got what you want.
2. Use a light coat of rubber cement to fix to the rear or front panel.
3. Obtain a CD "jewel case" and cut to size and using the key, headset, etc. hardware, place the flat plastic over the face. Polish with

toothpaste from time-to-time to keep clear.

That's it, for what it's worth.

72, John- N5INZ

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Jim W7LS <w7ls@brigadoon.com>  
Subject: [15413] Re: EPIPHYTES  
Message-ID: <199703222010.MAA01358@olympic.brigadoon.com>

Hi, Ed! Bingo. That's what I like about this group. Speed of light answers...  
Thanks to all who replied (it was a blizzard). 73 de Jim, W7LS

At 04:56 AM 3/22/97 -0500, you wrote:

>Hi Jim... I got curious, so I stopped by FAR Circuits and looked it up...  
>their boards are listed below:

>

>QRPP Mar96 EPIPHYTE 2 A TRANSCEIVER BY VE7QK \$7.00

>QRPP Nov&Dec94 EPIPHYTE TRANSCEIVER, REC BD \$7.50, TRANSMITTER BD \$5.00,

>VFO BD \$4.70

>

>Hope this is what you were looking for. CUL

>72/73

>

>Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX

>189 Pioneer Trail

>Marietta, GA 30068-3466

>

>QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140

>NORCAL#1779 NCDXF SEDXC

>

>Life Member: ARRL AMSAT IDRA INDEXA QCWA

>URL: Coming Sooner or Later

>

>"Think you can, think you can't: either way you're right!" Henry Ford

>

>

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [15389] Re: FAR circuits on Webb????  
Message-ID: <3333F96F.1BDB@dancris.com>

Try <http://www.cl/ais/net/farcir>

There is also a pointer to them on ki7mn's page  
(<http://www.dancris.com/~ki7mn>)

--

72/73 de Roger N7KT      Mesa, AZ      Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099    CoQRP 176    QRP-L 62    G-QRP 9081    ARCI 8946    NE-QRP 383

From owner-qrp-l@lehigh.edu   Sat Mar 22 18:03:58 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [15408] Re: FAR circuits on Webb?????  
Message-ID: <3.0.16.19970322102652.19978836@mail.lightside.com>

Jim:

Far Circuits; <http://www.cl.ais.net/farcir/>

I just got their latest catalog. Under transcievers, QRPP Mar '96 Epiphyte  
2 a transciever by VE7CK \$7.00.

72/73

Dan Hogan WA6PBY    QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com    ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
                 Lat. 34d 03.5'N   Lon. 117d 56.0'W   Grid: DM84wc

From owner-qrp-l@lehigh.edu   Sat Mar 22 18:03:58 1997  
From: N9DD@aol.com  
Subject: [15403] Re: Key Clicks Messing Me Up & More!!  
Message-ID: <970322124559\_1715818293@emout02.mail.aol.com>

In a message dated 97-03-22 12:27:20 EST, you write:

<< 1) My straight key is bugging me - when it contacts it's a  
metal to metal sound that is throwing me off sometimes! Even  
if I do it softly it still bothers me and sometimes interferes with  
what I'm sending - espically on the S's and I's and E's!  
I think I could fix this problem if I can get my OWN CW  
to come through the speaker LOUDER! Perhaps it's time for  
a new or better speaker!? >>



Although I often have CW QSOs while listening to speaker audio, I find that I can concentrate and copy much better if I use headphones.

Try to find a comfortable pair and give it a try. Radio Shack sells some comfortable headphones with a mono-stereo switch that many of the guys seem to like.

I think you'll find that the clicking of your key won't bother you at all if you get some headphones that cover your ears entirely.

73,

Tom N9DD  
South Bend, IN

p.s. Byron - WA8LCZ in Michigan and I are trying to make a 2 way QRP QSO this weekend. Byron needs Indiana on 20 meters for his QRP WAS. If anyone else is interested, look for us on 14.061 every half hour.

N9DD@aol.com

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Rick Hadley" <r.hadley@www.mebbs.com>  
Subject: [15410] Re: Key Clicks Messing Me Up & More!!  
Message-ID: <3.0.1.32.19970322134503.00677cac@www.mebbs.com>

At 12:46 PM 3/22/97 -0500, N9DD@aol.com wrote:

>  
>Although I often have CW QSOs while listening to speaker audio, I find that I  
>can concentrate and copy much better if I use headphones.  
>  
>Try to find a comfortable pair and give it a try. Radio Shack sells some  
>comfortable headphones with a mono-stereo switch that many of the guys seem  
>to like.  
>  
>I think you'll find that the clicking of your key won't bother you at all if  
>you get some headphones that cover your ears entirely.

If you can stand headphone over your ears (particularly if you wear glasses) that's fine, but I discovered about 30 years ago that I couldn't stand to wear over-the-ear phones for a long period. When I was a Navy CW op, I bought myself a Telex TwinSet like some pilots wear, with the mini-receivers that rest on your temples and little pipes that plug in your ears. I've never used anything else since. You can still get them through Radio Shack Unlimited (special order). They run about \$60 and they're worth twice that!

73/72, Rick

-----  
Rick Hadley, W0FG  
Life Member ARRL  
QRP-L #1019  
r.hadley@www.mebbs.com  
-----

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [15416] Re: Key Clicks Messing Me Up & More!!  
Message-ID: <19970323.151634.4679.0.wb2vuo@juno.com>

One of the easiest (although a bit pricey) cure for the low speaker audio on an HW-8 is the Radio Shack Mini Amplifier-Speaker combo, Catalog # 277-1008C . It runs \$12.00, or thereabouts, and the HW-8 will drive the pants off it. I ran one with the HW-8 that I had, and will probably use one with the NC38.spc when I finish it. Also, they work great as an AM modulator for low-power (Part 15 or Amateur) AM rigs. When used with the 8 - 1000 Ohm speaker transformer in the catalog (catalog # unknown), you can modulate a 300 - 500 mW TX to good levels. I am building yet another QRP AM TX for 160 - 40 Meters, and this is the modulator I am using...

Give it a try...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY), ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Steve Hurst" <shurst@magiclink.com>  
Subject: [15392] Re: More Late Night 30-Meter DX  
Message-ID: <199703221550.KAA167533@nss2.CC.Lehigh.EDU>

Bill,

Are you using a stock 38S ? What type of antenna are you using ?? Great on the contacts, congrats !!

Thanks and 73,  
Steve Hurst  
KA7NOC  
Stock 38 Special  
dit dit

-----  
> Friends,  
>  
> If you don't have your 38 Special up and running yet, you may want to  
heat  
> up your soldering iron over the weekend. Thirty meters was open until  
> almost midnight, Pacific time, Friday night. I added JA8DG0, ZP6CW,  
7L1JHN  
> and VK2PA to my 38 Special DXCC list. I still only have thirteen  
countries  
> with my 38 Special, but the list is growing.  
> =====  
> Bill Jones - KD7S <><  
> Sanger, California  
> Reply to kd7s@psnw.com  
> =====  
>  
>

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: kd7s@psnw.com (Bill Jones)  
Subject: [15406] Re: More Late Night 30-Meter DX  
Message-ID: <199703221855.KAA04174@sierra.psnw.com>

Steve Hurst asked:

>Are you using a stock 38S ? What type of antenna are you using ??

Steve, my 38 Special is not completely stock. I've added the IRF510  
amplifier (5 watts output) and the TiCK keyer chip. In addition I added an  
electronic tuning dial using three, 10-segment LEDs driven by three LM3914S.  
The rig is enclosed in a homebrew case made from ABS plastic. You can see  
some pictures of my 38 Special on the Norcal web page under the February  
meeting information.

<http://www.fix.net/~jparker/febmtg/feb2a.htm>

As for my antenna -- no beams, no towers, just a Butternut HF6V-X vertical  
mounted on the roof of my house. The base of the antenna is about 15 feet

off the ground and sits over four radials for 40, 30, 20 and 10 meters. In addition, I have two radials for 80 meters for a total of eighteen radials. The antenna works extremely well, especially for QRP DXing on a budget.

=====  
Bill Jones - KD7S <><  
Sanger, California  
Reply to kd7s@psnw.com  
=====

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Bill Howell <bhowell@mail.utexas.edu>  
Subject: [15352] Re: Pixie 2 .JPG  
Message-ID: <199703220126.TAA23964@mail.utexas.edu>

Chuck,  
It looks very nice, printed directly out of Netscape.  
There is a mild 'shadow' behind the components  
and designations. I have also noticed this when  
printing .JPG's of certain Kenwood service bulletins  
from their FTP site.  
Good job!

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
voice 512.471.1388  
bhowell@mail.utexas.edu  
N5ALO QRP-L #415

everything is sacred  
nothing is serious

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [15397] Re: QRP Book  
Message-ID: <3.0.1.32.19970322165623.006e910c@mailhost.primenet.com>

At 06:20 PM 3/22/97 +0000, you wrote:  
>I'm beginner in this field so I hope you experts could help me.  
>Finnish Radio Society offers following books. Which one of

>these are best for do-it-yourself QRP'er?

As a fellow beginner maybe my thoughts are helpful. I just purchased the new ARRL offering: "QRP Power" for \$12 US which is a collection of relevant QST articles from the past several years. Seems very handy.

I'm awaiting the "QRP Handbook" by NA5N available on WWW from HB Electronics (or from publisher autographed).

For reference, I purchased the "1997 ARRL Handbook" which is my first in 10 years (contains the NorCal Sierra construction project).

The "W1FB Design Notebook" was highly recommended, but has not arrived.

These will take significant time to digest. Other comments?

FWIW, Brian ke7gh@qsl.net

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [15404] Re: QRP Book  
Message-ID: <3.0.1.32.19970322182729.006c9da0@mailhost.primenet.com>

At 07:00 PM 3/22/97 +0000, you wrote:

>> I'm awaiting the "QRP Handbook" by NA5N available on WWW from HB  
>> Electronics (or from publisher autographed).  
>Please tell me the URL.

<http://www.businesson.com/hamparts/index.htm>

-----

The Data Book is \$20 +\$2.50 shipping to:  
Quicksilver Printing  
P.O. Box 757  
Socorro, NM 87801

Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [15407] Re: QRP Book  
Message-ID: <3.0.16.19970322110016.2e3f1a84@mail.lightside.com>

Brian:

The following are IMO only.

At 16:56 3/22/97 +0000, Brian K. Short KE7GH Wrote

[Snip Intro]

>I'm awaiting the "QRP Handbook" by NA5N available on WWW from HB  
>Electronics (or from publisher autographed).

Outstanding! I refer to it more than "The4 Handbook."  
"

>For reference, I purchased the "1997 ARRL Handbook" which is my first in  
>10 years (contains the NorCal Sierra construction project).

OK. But something seems to have happened to the quality of the contents, IMO.

>The "W1FB Design Notebook" was highly recommended, but has not arrived.

VERY good. Also get "W1FB's QRP Notebook" they are a set.

Get a collection of catalogs, Mouser, Digi-Key, and a must Farnell.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: DM84wc

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997

From: wb2vuo@juno.com (William K Hibbert)

Subject: [15417] RE: Survey

Message-ID: <19970323.151634.4679.1.wb2vuo@juno.com>

40 Meters! WB2VUO

40 Meters! WB2VUO

40 Meters! WB2VUO

40 Meters! WB2VUO

=====  
There's the simple part, now the soapbox:

Over a 30-year+ span, the 40 Meter band has been the most productive band I have ever used, and one of the fondest memories I have from my Novice days, as WN2VUO, was working a VK3 on split, me on 7155 kc (seeing that

frequencies didn't Hertz then...sorry) and he on 7003 Kc. This QSO was arranged by my "Elmer", Les, W2QY, later W2CM and now an SK...

Les had a sked every morning, about 0900Z, into VK-land, and told me to listen, and he would have one of his buddies "Down Under" listen for me.

It wasn't QRP as defined today, but I doubt if my Johnston Viking Adventurer put out over 15 watts. RX at my end was with a Hallicrafters SX-25 and the antenna was a 400-ft end-fed wire, up 50 - 60 ft (sorta draped over the trees in my yard, and two neighbor's yards without their knowledge. (You do things differently when you are 15, or maybe not...))

If the Regulators suddenly said "One band, you pick", it definitely would be 40.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),  
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group  
Trustee, KB2YTW/B 10 Mtr QRP Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [15373] Re: Unbuilt RadioKit for sale  
Message-ID: <3.0.1.32.19970322051644.006a1234@mailhost.primenet.com>

At 10:33 PM 3/21/97 -0600, you wrote:

> I have an unbuilt 20 meter CW TravelRadio kit for sale. The kit was  
>packed by RadioKit in the mid/late '80's and is based on the K1BQT 20 meter  
>CW Travel Radio that was featured in Ham Radio Magazine during the same time  
>period. I have had it the last eight years or so and have just never got  
>around to assembling it. It is still in the same box as packed by RadioKit  
>and delivered to me.

I posted a want ad on UseNet and WWW a month or so ago, but this is the very first 8 year old kit AND the first RadioKit.

> Features single conversion superhet, \*real\* 9 MHz xtal filter (not a CPU  
>xtal job), switchable audio filter, AGC, metering for rf and "S" units,  
>vernier VFO tuning, 15 watts \*out\* from an MRF479. The kit is complete with  
>all parts and circuit boards, less case which was left to builders choice.  
>Documentation is copy of the magazine article, builders guide by K1BQT with  
>pc board layouts, wiring diagrams, chassis templates, etc., and RadioKit  
>builder's update sheet.

Sounds complete, but from other offers received, maybe if you started

building and then offered it partially assembled it would have greater value?

> I imagine the CW radios now sold by MFJ are derivatives of this design.  
> \$125 plus shipping. Sorry for all the bandwidth. Win WB5KOM

I think ALL modern radios are derivatives of RadioKit.

> BTW what ever happened to RadioKit?

They now build competition class kits.

Hope this helps, Brian

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Ken Lopez <kjlopez@earthlink.net>  
Subject: [15383] Re: Unbuilt RadioKit for sale  
Message-ID: <333394F4.61CD@earthlink.net>

>  
> > BTW what ever happened to RadioKit?  
>  
> They now build competition class kits.

What is a competition class kit?

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Stan <stan@cruzio.com>  
Subject: [15384] Re: Unbuilt RadioKit for sale  
Message-ID: <333394C4.3442@cruzio.com>

Ken Lopez wrote:

>  
> >  
> > > BTW what ever happened to RadioKit?  
> >  
> > They now build competition class kits.  
>  
> What is a competition class kit?  
>  
> .-

Debugging competition ! :)



Stan

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Ken Lopez <kjlopez@earthlink.net>  
Subject: [15398] Re: Unbuilt RadioKit for sale  
Message-ID: <333414C4.63D5@earthlink.net>

Stan wrote:

>  
> Ken Lopez wrote:  
> >  
> > >  
> > > >BTW what ever happened to RadioKit?  
> > >  
> > > They now build competition class kits.  
> >  
> > What is a competition class kit?  
> >  
> > .-  
>  
> Debugging competition ! :)  
>  
> Stan

Oh, Of Course! Silly Me.....

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [15402] Re: Unbuilt RadioKit for sale  
Message-ID: <3.0.1.32.19970322174147.006ec1c4@mailhost.primenet.com>

At 09:20 AM 3/22/97 -0800, you wrote:  
>>>>>BTW what ever happened to RadioKit?  
>>>> They now build competition class kits.  
>>> What is a competition class kit?  
>> Debugging competition ! :)  
>Oh, Of Course! Silly Me.....  
For details, contact KM1H on the VHF or AMPS lists.

From owner-qrp-1@lehigh.edu Sat Mar 22 18:03:58 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [15426] Re: Unbuilt RadioKit for sale

Message-ID: <3.0.1.32.19970322185604.0098ce30@tiger.avana.net>

Now Now guys... be nice.

At 09:20 AM 3/22/97 -0800, Ken Lopez wrote:

>Stan wrote:

>>

>> Ken Lopez wrote:

>> >

>> > >

>> > > >BTW what ever happened to RadioKit?

>> > >

>> > > They now build competition class kits.

>> >

>> > What is a competition class kit?

>> >

>> > .-

>>

>> Debugging competition ! :)

>>

>> Stan

>

>Oh, Of Course! Silly Me.....

>

>

>

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member:    ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!"    Henry Ford

From owner-qrp-l@lehigh.edu    Sat Mar 22 18:03:58 1997  
From: DYARNES@aol.com  
Subject: [15379] Re: W6MMA SLV MOD  
Message-ID: <970322013700\_109378547@emout10.mail.aol.com>

Hi All,

I've had my coil (the BIG MAMA for 80-10) for about 10 days or so. It works very well! Everything goes together perfectly, just as advertised.

For those of you who don't know Vern, he is an excellent builder of "stuff" (mostly QRP kits, of course), and this antenna modification for the SLV is a perfect example of his thoughtful innovation and craftsmanship.

I had the opportunity to meet Vern at Pacificon last year, and I got to see a couple of the QRP rigs he had put together. The workmanship was super (I won't be showing Vern any of MY projects)! He even had a "deluxe" version of the SLV based on the original design.

When I heard how excited Vern was about the results he was getting on this super modification to the SLV, I knew it would be worthwhile. Then when I heard he was going to make it available to the group I doubt there were many who had their order in before me. A very smart move on my part if I do say so myself, because I am very pleased with what I got for my 50 bucks. The instruction sheet is a little "unique", but all the info you need is there. Everything goes together very neatly, and the antenna is working FB. Even with the bigger coil like I have, you still have a very light weight, compact and readily portable antenna system. Besides, it can all come apart fairly easily if you need to put it in a small space for transportability reasons.

I've been setting my SLV up in my back yard, and using my Sierra at 2 watts. (My daughters keep asking me if I am outside "playing field day!") Anyway, I snagged Alaska tonight on 40 meters, so I guess it works!

You may want to try and make this thing yourself (it's actually several things--an adjustable/tunable coil, a feedpoint connection assembly, and the ground spike assembly), but I think if you could see the quality of what Vern provides you with this "kit" you would soon agree this is hard to beat and the price is reasonable.

I'm thinking seriously of phasing two of these things!

72 de David W7AQK

From owner-qrp-l@lehigh.edu Sat Mar 22 18:03:58 1997  
From: "Tj Johnston, N4UYQ" <tjohnsto@erols.com>  
Subject: [15420] Re: website

Message-ID: <33344D6F.88F@erols.com>

William R Colbert wrote:

> The website is: <http://www.webcom/webpub/class.html>

Note that the address is actually  
<http://www.webcom.com/webpub/class.html>